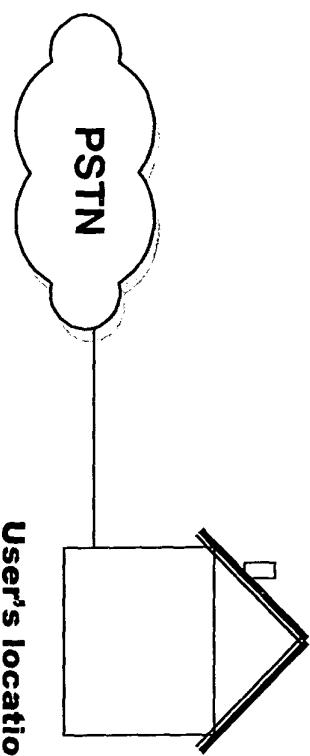


**Fig 1**

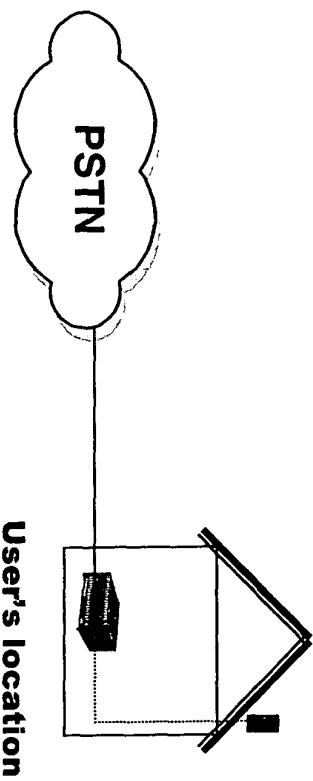


**Today's current setup:** A user connected to the PSTN

**PSTN:** Public Switched Telephony Network

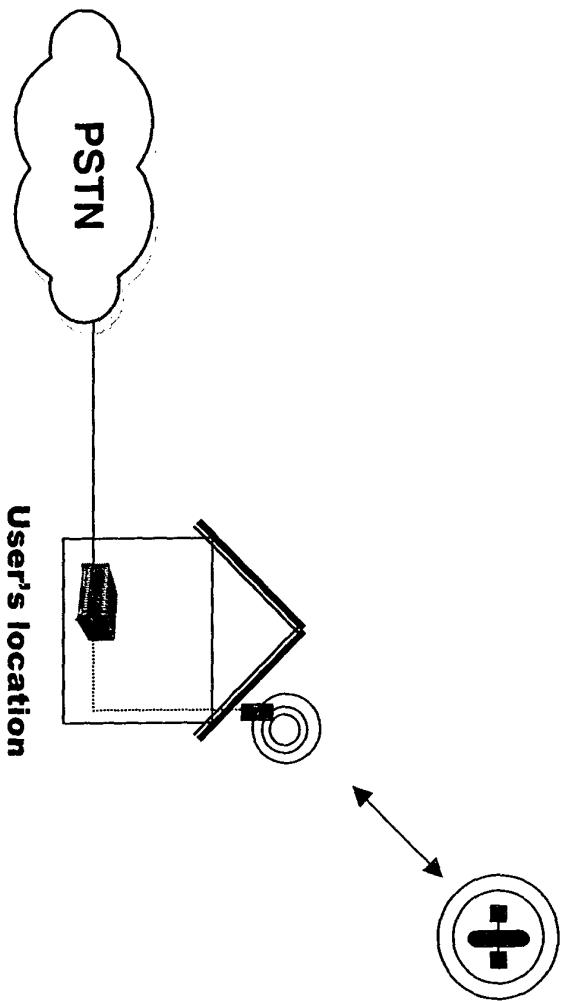
**Fig 2**

A processing device installed at the user's location



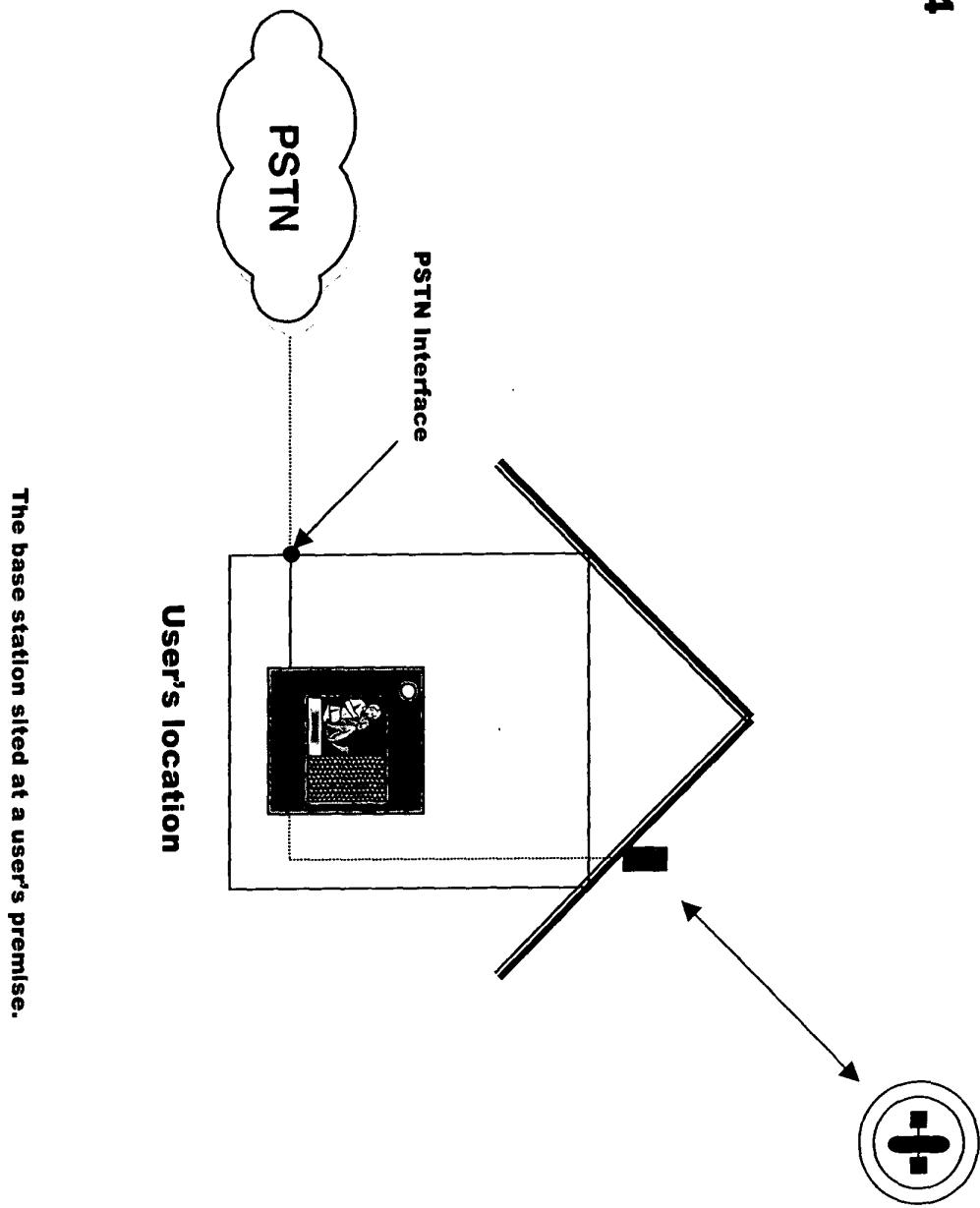
A processing device installed at the user's location to transmit and receive call data from a wireless system. And to transmit and receive call data from the PSTN. The link between the wireless system and the PSTN is through this processing device.

**Fig 3**

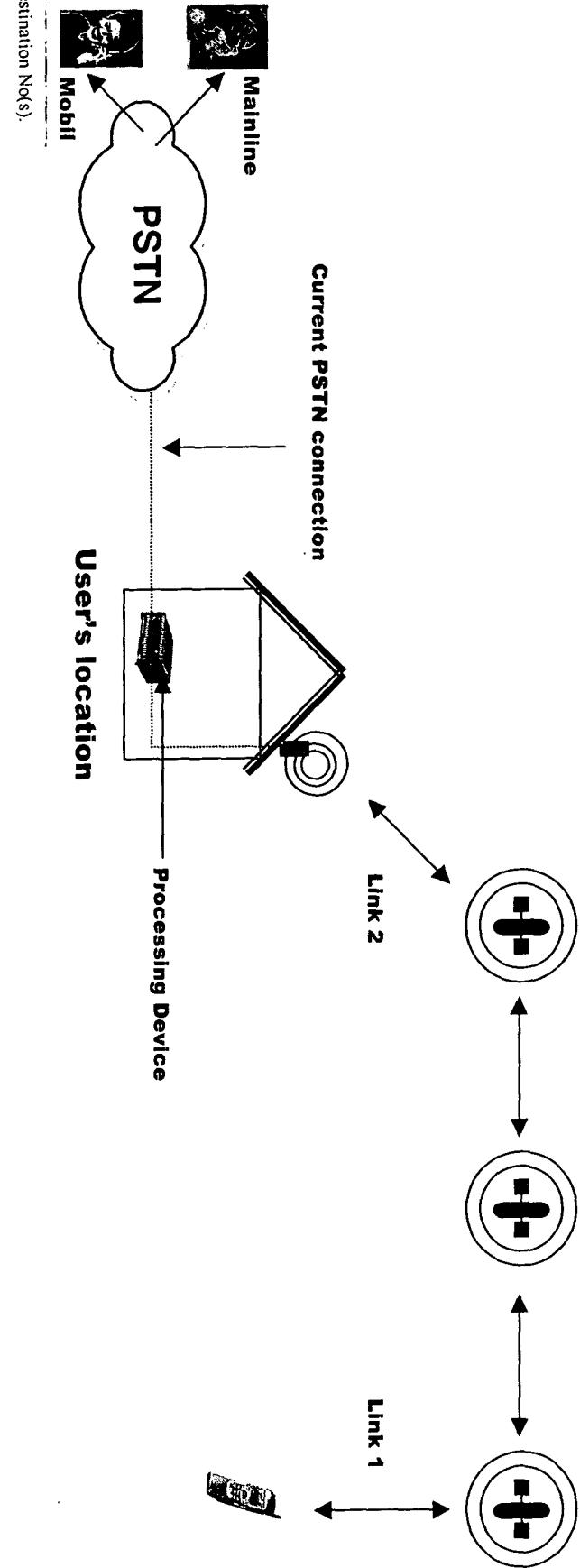


The wireless system (depicted here as a satellite system) sends call data to the user's location.

**Fig 4**



**Fig 5**



- A mobile unit initiates a call. The call is transmitted to the satellite (Link 1) (Uplink being defined as signals traveling from the mobile unit to the satellite)
- The satelite(s) receives circuit data.
- Satelite downloads circuit data to the sender's processing device (Link 2) (Downlink being defined as signals traveling from the satellite to the user's site)
- Processing device is in receipt of desired phone number and dials into the PSTN.